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NOTICES FROM THE LICK OBSERVATORY.*

PREPARED BY MEMBERS OF THE STAFF.

PHOTOGRAPH OF THE TOTAL ECLIPSE OF THE SUN, JANUARY 22, 1898.

[See Frontispiece.]

The original negative from which the eclipse plate, shown in our frontispiece, was made, was taken by Professor CAMPBELL with the Floyd telescope, exposure time five seconds.

Those who are familiar with the difficulty of making even satisfactory contact positives from eclipse negatives, need not be told that a large part of the detail shown by the original is necessarily lost in the reproduction. A notion of the general form of the corona only can be gained from the print; the details must be studied on the original negatives.

CHANGES IN THE STAFF OF THE LICK OBSERVATORY.

Professor JAMES E. KEELER arrived at Mt. Hamilton and assumed his duties as Director of the Lick Observatory on June 1st. Professor CAMPBELL returned to the Observatory from his expedition to India on the same day.

A note concerning Professor SCHAEBERLE's resignation will be found on another page.

ELECTRIC ILLUMINATION OF THE MICROMETERS AT THE LICK OBSERVATORY.

For nearly two years and a half, electric illumination has been used for the micrometers of both the 12- and 36-inch telescopes, and it has proved so satisfactory that oil illumination is no longer in use except on rare occasions and then only in case of emergency. The current is supplied by a storage battery, five cells of which are ordinarily used on a lamp at a time, giving about ten volts, one-half ampere and one-half candle power. The battery is

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